M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682959

Serial No. ...First and Part Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..M/S. SRI NANJUNDESHWARA CONSTRUCTION (Rajesh.M).

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	Name of work :- Providing Gallery to Musical Fountain in JP Park in Ward No 17 and drilling of Borewells, Providing water supply and construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE -2022-23. RRN-DIV-(10). Job Code :- 017-23-000002 (P3877) Work order No :- EE/RRND/WO/000057/2022-23 dated: 13-10-2022 AS No :- GE/RRND/AS/37/2022-23 dated :- 20.09.2022 TS NO :- CE/RRN/TS/65/2022-23 dated :- 08.07.2022. Estimation Cost :- 1500.00 Lakhs.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	Earthwork excavation by manual means for drains, Canals, Kacha Dri In ordinary/soft rock without blasting upto 1.5m depth.						
	Qty = 2294.68 Cum @ Rate 263.00 = Amount						603500.31
2.	Providing and laying in position plain Cement Concrete mix 1:3:6						
	Qty = 269.66 Cum @ Rate 6384.00 = Amount						1721506.25
3.	Providing and filling in foundation with granite/trap broken metal						
	Qty = 167.01 Cum @ Rate 2944.00 = Amount						491688.89
4.	Providing and Laying in Position Reinforced Cement Concrete M25 Sub structure						
	Qty = 377.74 Cum @ Rate 7680.00 = Amount						2901050.88

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682960

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
5.	Providing and laying in position Reinforced Cement Concrete M25 design mix (Super Structure) Qty = 114.99 cum @ rate 7822.00 = Amount 895503.63						
6.	Providing and laying in position Reinforced Cement Concrete M25 design mix. Qty = 356.79 cum @ rate 8533.00 = Amount 3044496.75						
7.	Supplying Fitting and placing TMT Fe 500 & above reinforcement Qty = 133.46 Tonne @ rate 96634.00 = Amount 12897130.97						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8.	Earthwork excavation by manual means for drains, canals, Waste Weir draft. - In ordinary / soft rock without blasting upto 1.5m depth.						
	Qty = 186.75 Cum @ rate 263.00 = Amount 49115.78						
9.	Providing and laying in position plain Cement Concrete mix 1:3						
	Qty = 34.26 Cum @ rate 6384.00 = Amount 218739.78						
10.	Providing and laying in position reinforced Cement Concrete M25 - Sub Structures						
	Qty = 29.92 Cum @ rate 7407.00 = Amount 221587.81						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682961

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
11.	Providing and laying in position Reinforced Cement Concrete M25 Design - Super Structure. Qty = 3.40 Cum @ Rate 7910.00 = Amount 26909.82.						
12.	Providing and laying in position Reinforced Concrete M25 Qty = 31.01 Cum @ Rate 8630.00 = Amount 267615.22						
13.	Supplying, fitting and Placing TMT Fe 500 & above Reinforcement in foundation. Qty = 7.66 Tonne @ Rate 96634.00 = Amount 739820.74						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14.	Providing Size Stone masonry with hard stone in foundation & plinth.						
	Qty = 72.80 Cum @ rate 6152.00 = Amount						447839.45
15.	Providing and Constructing load bearing wall with solid Concrete blocks of size 400x200x200 mm.						
	Qty = 327.27 Sqm @ rate 1375.00 = Amount						449989.38.
16.	Providing 20mm Cement plaster of mix 1:4 (1 cement : 4 fine sand)						
	Qty = 859.13 Sqm @ rate 344.00 = Amount						295539.00.
17	Providing 12mm Cement Plaster of mix 1:4						
	Qty = 108.52 Sqm @ rate 245.00 = Amount						26586.79

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682962

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
18.	Finishing walls with Acrylic smooth exterior paint of required shade.					
	Qty = 967.64 Sqm @ rate 156.00 = Amount 150952.23.					
19.	Providing and laying water proofing treatment to ~~the~~ roof					
	Qty = 108.52 Sqm @ rate 856.00 = Amount 92890.98.					
20.	Providing and laying vitrified floor tiles in ~~different~~ sizes.					
	Qty = 128.21 Sqm @ rate 1163.00 = Amount 149105.32					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
21.	Supplying and fixing rolling shutters of approved make,						
	Qty = 43.73 Sqm @ rate 2885.00 = Amount 126161.05						
22.	Supplying heavy gauge PVC Conduit Pipe .... dia						
	Qty = 403.00 m @ rate 84.00 = Amount 33852.00.						
23.	Supplying .... mm dia 2mm/2.5mm thick heavy gauge PVC conduit Pipe - 18 SWG GI fish wire.						
	Qty = 403.00 m @ rate 73.00 = Amount 29419.00.						
24.	Groove Cutting in the wall supplying ... dia 2mm/2.5mm thick						
	Qty = 324.00 m @ rate 84.00 = Amount 27216.00						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682963

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
25.	Supplying and fixing sheet metal box made out of 18 SWG sheet Qty = 25 each @ rate 137.00 = Amount 3425.00.						
26.	d) 180x90x65mm Qty = 25 each @ rate 162.00 = Amount 4050.00						
27.	e) 200x90x65mm Qty = 25 each @ rate 177.00 = Amount 4425.00.						
28	Supplying and fixing PVC/metal conduit accessories. Qty = 40 each @ rate 53.00 = Amount 2120.00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
29.	2. Deep Junction box	C) 32mm deep junction box.					
	Qty = 40 each @ rate 72.00 = Amount 2880.00.						
30.	Supplying and flush mounting teak wooden box without front Plank, made of not less than 12mm thick wood.						
	Qty = 8 m @ rate 117.00 = Amount 936.00						
31.	b) 12"x9"x3" (300x228x76)						
	Qty = 8 m @ rate 110.00 = Amount 880.00.						
32.	Supplying and wiring adopting loop system in existing PVC conduit.						
	Qty = 75 each @ rate 288.00 = Amount 21600.00						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682964

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
.3	b) medium point above 3mtr up to 6 mtr from tapping Point.						
	Qty = 74.00 each @ rate 403.00 = Amount						29822.00.
34.	Supplying and Wiring adopting loop. System in existing PVC						
	Conduit a) Short Point up to 3mtr from tapping Point						
	Qty = 75.00 each @ rate 262.00 = Amount						19650.00.
35.	b) medium point above 3mtr up to 6 mtr from tapping Point.						
	Qty = 74.00 each @ rate 377.00 = Amount						27898.00.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
36.	Supplying and fixing Superior quality modular switch						
	Qty = 69.00 each @ rate 255.00 = Amount						17595.00.
37.	Supplying and fixing of modular switch/socket/stepped						
	a) 6Amps One Way						
	Qty = 41.00 each @ rate 92.00 = Amount						3772.00.
38.	i) 32 Amps DP switch						
	Qty = 16.00 each @ rate 392.00 = Amount						6272.00
39.	ii) 6/16 Amps Universal socket						
	Qty = 120.00 each @ rate 260 = Amount						31200.00

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. 682965

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
40.	Supplying and fixing 32 Amps security and energy.						
	Qty = 16.00 each @ rate 781.00 = Amount 12496.00.						
41.	Wiring for lighting/Power Circuit a) 1.5 sqmm.						
	Qty = 1200.00 m @ rate 19.00 = Amount 22800.00						
42.	b) 1.5 Sqmm						
	Qty = 1200.00 m @ rate 27.00 = Amount 32400.00.						
43	c) 6 Sqmm						
	Qty = 1580.00 m @ rate 91.00 = Amount 143780.00						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
44.	Supplying and fixing of PVC casing and capping on the wall						
	Qty = 158.00 m @ rate 28.00 = Amount 4424.00.						
45.	Supplying PVC/GI flexible conduit pipe ... mm dia						
	Qty = 105.00 Nos @ rate 26.00 = Amount 2730.00						
46.	Extra for supplying 4mm thick white plastic plate						
	Qty = 82.00 Nos @ rate 12.00 = Amount 984.00.						
47.	Supplying a 50mm to 25x25mm and Wooden plug, tapered from 50x50mm fixing by using binding wire						
	Qty = 82.00 Nos @ rate 8.00 = Amount 656.00.						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682966

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
48.	Supplying and fixing of Slim box fitting . 1X4' ~~tube~~ light fitting.						
	Qty = 33.00 each @ Rate 324.00 = Amount 10692.00						
49.	Supplying and fixing of T5 fluorescent tube with Hi-Lo power						
	Qty = 33.00 each @ Rate 180.00 = Amount 5940.00						
50.	Providing and placing on terrace (at all floor levels) Polythylene Water Storage tank.						
	Qty = 16000.00 Ltr @ Rate 9.00 = Amount 144000.00.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
51.	Providing and fixing chlorinated Polyvinyl chloride (CPVC) Pipes.- Exposed on wall 25 mm nominal dia pipes						
	Qty - 1246.00 mts @ Rate 363.00 = Amount 52998.00						
52.	Providing and fixing chlorinated Polyvinyl chloride (CPVC) Pipes. Exposed on wall 32mm nominal dia pipes						
	Qty - 125.00 mts @ Rate 452.00 = Amount 56500.00.						
53.	Providing and fixing square-mouth S.W. gully trap.						
	Qty = 17.00 each @ Rate 2643.00 = Amount 44931.00						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. 682967

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SH.	Raw Water feed pump with starter						
	Qty = 16.00 Nos @ Rate 25603.00 = Amount						409648.00
55.	Multi graded sand filter.						
	Qty = 16.00 Nos @ Rate 34485.00 = Amount						551760.00
56.	Activated Carbon filter type-Vertical, Floor mounted						
	Qty = 8.00 Nos @ Rate 65313.00 = Amount						522504.00
57.	Water softner, type-Vertical, Floor mounted.						
	Qty = 8.00 Nos @ Rate 64790.00 = Amount						518320.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
58	Antiscalant Dosing System, Equipment required - Electronic dosing Pump with Solution tank.						
	Qty = 8.00 Nos @ Rate 88825.00 = Amount 710600.00.						
59.	Accessories for Dosing System, Solution tank.						
	Qty = 8.00 Nos @ Rate 43890.00 = Amount 351120.00.						
60.	Reverse Osmosis system, Type - Horizontal Skid						
	Qty = 8.00 Nos @ Rate 93005.00 = Amount 744040.00.						
61.	Pressure Vessel, material of Construction - FRP.						
	Qty = 8.00 Nos @ Rate 88825.00 = Amount 710600.00						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682968

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
62.	Membrane, Type - Brackish Water Qty = 8.00 Nos @ Rate 91960.00 = Amount 735680.00.						
63.	High Pressure Pump, Type Vertical, Multistage, Make - GRUNDFOS Qty - 8.00 Nos @ Rate 57475.00 = Amount 459800.00						
64.	Micron Filter, type JUMBO. Qty - 8.00 Nos @ Rate 81510.00 = Amount 652080.00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
65.	Instruction, Wet Panel - Ms Powder Coated,, Mounted On R.O						
	Qty - 8.00 Nos @ Rate 89870.00 = Amount 718960.00.						
66.	PH Correction dosing system, Equipment Required -						
	Electronic Dosing Pump with Solution tank.						
	Qty - 8.00 Nos @ Rate 86735.00 = Amount 693880.00.						
67.	Solution tank with level switch, Solution tank.						
	Qty = 8.00 Nos @ Rate 15675.00 = Amount 125400.00						
68.	Inter-Connecting Pipe work, Raw water tank to feed Pump						
	Qty = 8.00 Nos @ Rate 81510.00 = Amount 652080.00						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682969

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	69. Ultra violet System, Model - UVS-20, Make - Ion Exchange.						
	Qty = 8.00 nos @ Rate 77853.00 = Amount 622824.00						
	70. RO water storage tank, 2000 ltrs SS tank.						
	Qty = 8.00 nos @ Rate 83600.00 = Amount 668800.00.						
	71. Vending machine, Digital Swiping Card type						
	Qty = 8.00 nos @ Rate 36575.00 = Amount 292600.00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
72.	Geophysical investigation at site for Sinking borewells						
	Qty - 3.00 No @ Rate 5372.00 = Amount						16116.00.
73.	Sinking of Borewell of 165mm dia (0 to 50m)						
	Qty = 150 Rmt @ Rate 363.00 = Amount						54450.00
74.	50 to 100 m.						
	Qty: 150 Rmt @ Rate 462.00 = Amount						69300.00
75.	100 to 150 m						
	Qty = 150 Rmt @ Rate 477.00 = Amount						71550.00

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682970

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
76.	150 to 200m.						
	Qty = 150.00 Rmt @ Rate 560.00 = Amount 84000.00						
77.	200 to 250m						
	Qty = 150.00 Rmt @ Rate 663.00 = Amount 99450.00						
78	250 to 300m						
	Qty = 150 Rmt @ Rate 732.00 = Amount 109800.00						
79.	300 to 350m						
	Qty = 150 Rmt @ the Rate 862.00 Amount 129300.00						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
80	350 to 400m						
Ref	Qty = 150.00 Rmt @ Rate 941.00 = Amount						141150.00
81	400 to 420m						
	Qty = 60.00 Rmt @ Rate 1180.00 = Amount						70800.00,
						Total Construction Cost	37606686.03
						GST 18%.	6769203.49
						Total Amount	44375889.52

26/12/2022

26/12/2022

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

682971

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate 1. The above work has been Completed satisfactorily. 2. The debris has been removed and disposed from the Work spot 3. No. departmental issues are made to the Contractor. JE 26/12/2022 26/12/2022						pass order in P-94

MEASUREMENT BOOK

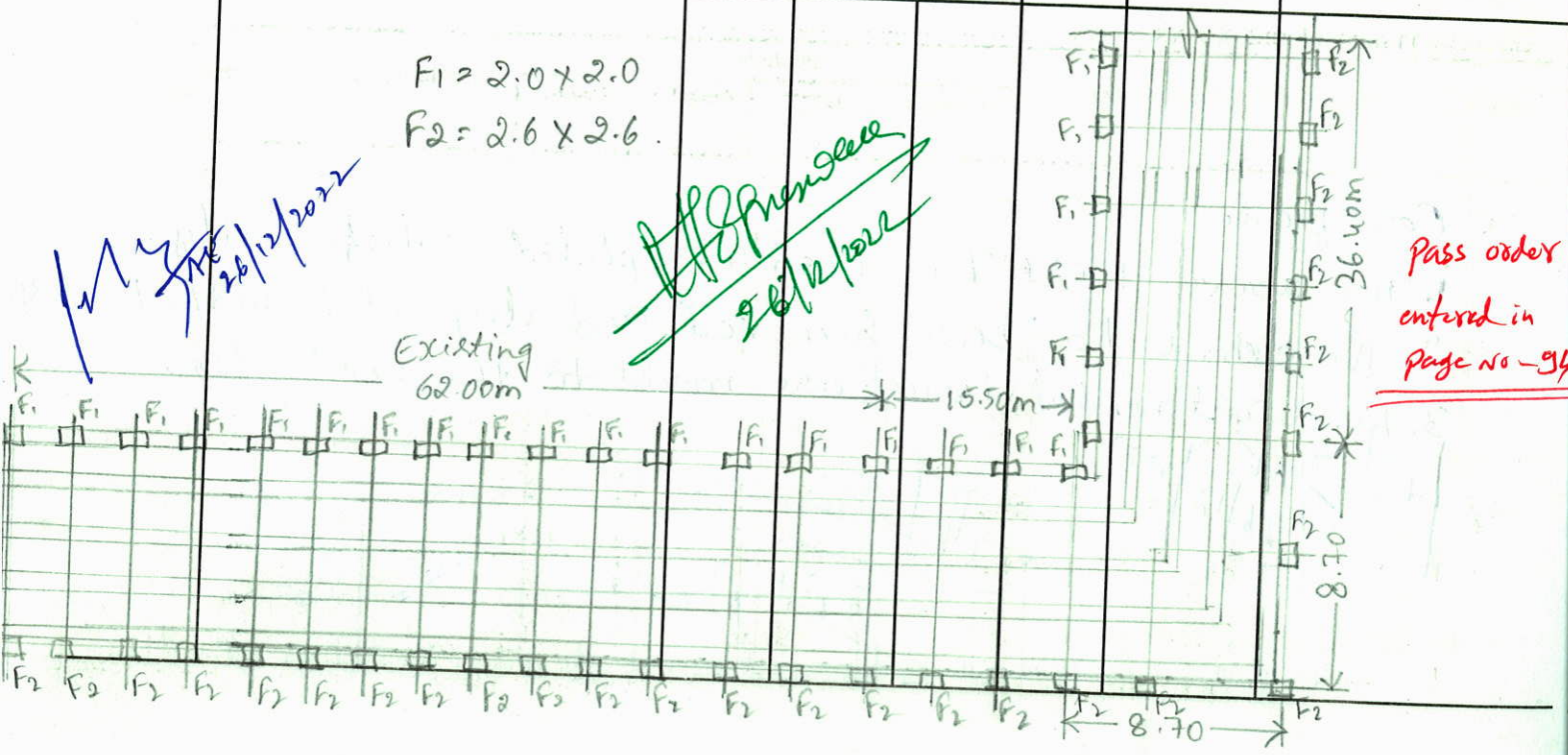
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

$F_1 = 2.0 \times 2.0$

$F_2 = 2.6 \times 2.6$.

26/12/2022

28/12/2022



Pass order entered in page no - 96